

Morris County, New Jersey

RksB—Riverhead gravelly sandy loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: b0nf

Elevation: 250 to 1,200 feet

Mean annual precipitation: 30 to 64 inches

Mean annual air temperature: 46 to 79 degrees F

Frost-free period: 131 to 178 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Riverhead and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Riverhead

Setting

Landform: Moraines

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Glaciofluvial deposits derived from granite and gneiss

Typical profile

A - 0 to 2 inches: gravelly sandy loam

BA - 2 to 4 inches: gravelly sandy loam

Bw1 - 4 to 8 inches: gravelly sandy loam

Bw2 - 8 to 28 inches: gravelly sandy loam

2C1 - 28 to 33 inches: gravelly loamy sand

2C2 - 33 to 60 inches: loamy sand

Properties and qualities

Slope: 3 to 8 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: B

Minor Components

Parker

Percent of map unit: 5 percent

Landform: Hills

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Nose slope

Down-slope shape: Convex

Across-slope shape: Linear

Annandale

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Gladstone

Percent of map unit: 5 percent

Landform: Hills

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Convex

Data Source Information

Soil Survey Area: Morris County, New Jersey

Survey Area Data: Version 10, Sep 17, 2015